

AMENDMENT TO THE CLAIMS:

The following claim set replaces all prior versions, and listings, of claims in the application:

- 1 - 9. (canceled)
10. (currently amended) A calibration pipette comprising:
 - a piston in a cylinder actuated by a motor and means for moving the piston over a distance such that a given liquid dosing volume is aspirated into or dispensed out of the pipette,
 - a control system,
 - a user interface [(1, 2)],
 - an electronic display [(3,)] in which the dosing volume is indicated, and
 - a calibration function, ~~characterised in that~~ wherein the calibration function is such that at least one real volume obtained with an indicated volume is input via the user interface into the control system and that the control system calculates calibration settings based on the input and stores them in a memory, by means of which settings the stroke length of the piston or the volume indicated on the display is corrected so that the volume indicated on the display equals the real dosing volume, and [(that)] wherein the calibration resolution is ~~less than 0.1 %, preferably less than 0.05 % and most preferably less than 0.01 %.~~
11. (previously presented) A pipette as defined in claim 10, in which the control system corrects the stroke length of the piston by means of the calibration settings.

12. (previously presented) A pipette as defined in claim 10, comprising a motor (14) for actuating the piston.
13. (previously presented) A pipette as defined in claim 10, in which the dosing volume is adjustable.
14. (currently amended) A pipette as defined in claim 13, in which the calibration function comprises input of the real volumes obtained with at least ~~and preferably~~ two indicated volumes.
15. (previously presented) A pipette as defined in claim 14, in which the control system calculates the calibration settings assuming that the real volume is in linear dependence with the set volume.
16. (previously presented) A pipette as defined in claim 10, in which the control system is such that allows storage of a plurality of calibration settings in parallel, so that the settings corresponding to the current pipetting function can be selected for use each time.
17. (currently amended) A system for controlling a calibration pipette, the pipette comprising:
a piston actuated in a cylinder and a motor for actuating the piston over a distance such that a given liquid dosing volume is aspirated or dispensed out of the pipette,
a user interface [[(1, 2)]],
an electronic display [[(3)]] in which the dosing volume is indicated, and
a calibration function, characterised in that wherein
the calibration function is such that real at least one volume obtained with indicated volume is input over the user interface into the control system and that the control system calculates calibration settings based on the

input and stores them in a memory, by means of which settings the stroke length of the piston or the [[volume]] volume indicated on the display is corrected so that the volume indicated on the [[display]] display equals the real dosing volume, and [[that]] wherein
the calibration resolution is less than 0.1 %, preferably less than 0.05 % and most preferably less than 0.01 % and wherein
the calibration function comprises input of the real volumes obtained with at least two indicated volumes.

18. (currently amended) A method for calibrating a pipette, the pipette comprising:
a piston actuated in a cylinder, a motor for actuating the piston over a distance such that a given liquid dosing volume is aspirated or dispensed out of the pipette, and means for changing the dosing volume,
a control system,
a user interface [[(1, 2)]],
an electronic display [[(3)]], in which the dosing volume is indicated, wherein characterized in that
the real volumes obtained with at least two indicated volumes are input via the user interface [[(1, 2)]] into the control system, the control system being allowed to calculate calibration settings on these real volumes and to store them in a memory, by means of which calibration settings the control system corrects the stroke length of the piston or the volume indicated on the display so that the volume indicated on the display equals the real dosing volume, and [[that]] wherein
the calibration resolution is less than 0.1 %, preferably less than 0.05 % and most preferably less than 0.01 % and wherein

the control system allows storage of a plurality of calibration settings in parallel,
so that the settings corresponding to the current pipetting function can be
selected for use each time.

19. (new) A pipette as defined in claim 10, wherein the calibration resolution is less than 0.01 %.
20. (new) A pipette as defined in claim 14, in which the calibration function comprises input of the real volumes obtained with two indicated volumes.
21. (new) A calibration pipette comprising:
a piston in a cylinder actuated by a motor and means for moving the piston over a distance such that a given liquid dosing volume is aspirated into or dispensed out of the pipette,
a control system,
a user interface,
an electronic display in which the dosing volume is indicated, and
a calibration function, wherein
the calibration function is such that at least one real volume obtained with an indicated volume is input via the user interface into the control system and that the control system calculates calibration settings based on the input and stores them in a memory, by means of which settings the stroke length of the piston or the volume indicated on the display is corrected so that the volume indicated on the display equals the real dosing volume,
and wherein
the calibration resolution is less than 0.1 %, and wherein
the control system calculates the calibration settings on the basis of one input volume only assuming that the real volume is in linear dependence with

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the set volume, the angular coefficient of the linear equation having been present.